

## FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2 : INTERNAL COMBUSTION ENGINES</b>					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, PUMP HOT STRIP COOLING WATER, DIESEL FUEL, DETROIT DIESEL, MODEL 71237305, WITH OXYGEN CONTENT CONTROL, AFTERCOOLER, TURBOCHARGER, 553 HP A/N: 176737	D9		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012,12-5-2003;RULE 2012,1-7-2005] ; PM: (9) [RULE 404,2-7-1986]	A63.2, C1.6, D12.2, E114.1
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, EMERGENCY LPG GENERATOR, LIQUIFIED PETROLEUM GAS, WHITE, MODEL G3400, 107 HP A/N: 199642	D11		NOX: PROCESS UNIT**	NOX: 139 LBS/1000 GAL LPG (1) [RULE 2012,12-5-2003;RULE 2012,1-7-2005] ; PM: (9) [RULE 404,2-7-1986]	C1.6, D12.2, D135.1, E114.1
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, #2CGL, S/N 92-B-4049, DIESEL FUEL, CATERPILLAR, MODEL D334, ELECTRIC POWER GENERATION, WITH TURBOCHARGER, 257 BHP A/N: 389803	D200		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2004(i),5-11-2001] ; PM: (9) [RULE 404,2-7-1986]	C1.6, C1.8, D12.2, E71.15, E114.1
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, #1CGL, S/N 92-B-2612, DIESEL FUEL, CATERPILLAR, MODEL D334, ELECTRIC POWER GENERATION, WITH TURBOCHARGER, 257 BHP A/N: 389804	D201		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2004(i),5-11-2001] ; PM: (9) [RULE 404,2-7-1986]	C1.6, C1.8, D12.2, E71.15, E114.1
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, SERIAL NO. PE6068T587742, DIESEL FUEL, CLARKE, MODEL JU6H-UF30, WITH TURBOCHARGER, 160 HP A/N: 463045	D228		NOX: PROCESS UNIT**	NOX: 161.4 LBS/1000 GAL DIESEL (2) [RULE 2012,5-6-2005] ; NOX + ROG: 4.9 GRAM/BHP-HR DIESEL (4) [RULE 2005,5-6-2005]	C1.6, C1.8, D12.2, D135.1, E114.1

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements  
\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2 : INTERNAL COMBUSTION ENGINES</b>					
				<b>PM:</b> (9) [RULE 404,2-7-1986]	
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, NATURAL GAS, GENERAC POWER SYSTEMS, MODEL QT070, NETT TECHNOLOGIES, TC-SERIES CATALYTIC CONVERTER, 110.7 HP A/N:	D234		NOX: PROCESS UNIT**	<b>NOX:</b> 1.5 GRAM/BHP-HR NATURAL GAS (4) [RULE 2005,5-6-2005] ; <b>NOX:</b> 358.5 LBS/MMSCF NATURAL GAS (2) [RULE 2012,5-6-2005]  <b>PM:</b> (9) [RULE 404,2-7-1986]	C1.6, C1.8, D12.2, D135.1, E71.15, E114.1

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements  
\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

**FACILITY PERMIT TO OPERATE  
CALIFORNIA STEEL INDUSTRIES INC**

**SECTION D: DEVICE ID INDEX**

**The following sub-section provides an index  
to the devices that make up the facility  
description sorted by device ID.**

**FACILITY PERMIT TO OPERATE  
CALIFORNIA STEEL INDUSTRIES INC**

**SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D9	1	2	0
D11	1	2	0
D200	1	2	0
D201	1	2	0
D228	1	2	0
D234	2	2	0

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

#### **FACILITY CONDITIONS**

F10.1 Material(s) that contain the following compound(s) shall not be used in this facility;

0.004 percent or more of arsenic and 0.002 percent or more of cadmium by weight

No scrap other than clean non-ferrous scrap or rerun scrap shall be melted at this facility

[RULE 1407, 7-8-1994]

F14.1 The operator shall not use diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

#### **PROCESS CONDITIONS**

P28.1 Except for diesel transfers, Phase I vapor recovery systems shall be in full operation whenever fuel is being transferred into storage tanks.

Except for diesel transfers, Phase II vapor recovery systems shall be in full operation whenever fuel is being transferred into motor vehicles, as defined in Rule 461.

All Phase I and Phase II vapor recovery equipment at this facility shall be installed, operated and maintained to meet all California Air Resources Board certification requirements.

[RULE 461, 1-9-2004; RULE 461, 6-3-2005; RULE 461, Hasstech Conditions, 1-9-2004]

[Processes subject to this condition : 15]

#### **DEVICE CONDITIONS**

##### **A. Emission Limits**

## FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

A63.1 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 36 LBS IN ANY ONE DAY

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D60]

A63.2 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
ROG	Less than or equal to 77 LBS IN ANY ONE YEAR
SOX	Less than or equal to 98 LBS IN ANY ONE YEAR
CO	Less than or equal to 245 LBS IN ANY ONE YEAR
PM	Less than or equal to 80 LBS IN ANY ONE YEAR

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D9]

## FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

A63.3 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
ROG	Less than or equal to 1.7 LBS IN ANY ONE MONTH
SOX	Less than or equal to 0.36 LBS IN ANY ONE MONTH
CO	Less than or equal to 91.4 LBS IN ANY ONE MONTH
PM10	Less than or equal to 3 LBS IN ANY ONE MONTH

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D80]

A63.4 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 12810 LBS IN ANY ONE MONTH
ROG	Less than or equal to 2580 LBS IN ANY ONE MONTH
SOX	Less than or equal to 538 LBS IN ANY ONE MONTH
PM10	Less than or equal to 4710 LBS IN ANY ONE MONTH

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D133]

## FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

A63.5 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
ROG	Less than or equal to 158 LBS IN ANY ONE MONTH
SOX	Less than or equal to 21 LBS IN ANY ONE MONTH
CO	Less than or equal to 706 LBS IN ANY ONE MONTH
PM10	Less than or equal to 180 LBS IN ANY ONE MONTH

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D140, D141]

A63.6 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 1065 LBS IN ANY ONE MONTH
ROG	Less than or equal to 216 LBS IN ANY ONE MONTH
SOX	Less than or equal to 29 LBS IN ANY ONE MONTH
PM10	Less than or equal to 223 LBS IN ANY ONE MONTH

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D145]



## FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

A63.7 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
ROG	Less than or equal to 120 LBS IN ANY ONE MONTH
SOX	Less than or equal to 150 LBS IN ANY ONE MONTH
CO	Less than or equal to 52110 LBS IN ANY ONE MONTH
PM10	Less than or equal to 360 LBS IN ANY ONE MONTH

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from equipment Preheat Section, device D81, and Reducing Section, device D82.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D81, D82]

A63.8 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
ROG	Less than or equal to 50 LBS IN ANY ONE MONTH
SOX	Less than or equal to 7 LBS IN ANY ONE MONTH
CO	Less than or equal to 266 LBS IN ANY ONE MONTH
PM10	Less than or equal to 58 LBS IN ANY ONE MONTH

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D153]

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- A99.1 The 25.5 PPM NOX emission limit(s) shall not apply when the SCR (C148) temperature is less than 450 Deg F and for the first 15 minutes once the SCR has reached 450 Deg F, or when the equipment is idled.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : D145]

- A101.1 The operator shall take all reasonable control measures to minimize fugitive emissions from this equipment.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1401, 3-4-2005]**

[Devices subject to this condition : D154]

### **B. Material/Fuel Type Limits**

- B27.1 The operator shall not use materials containing any compounds identified in the SCAQMD Rule 1401, as amended 07-dec-1990.

**[RULE 1401, 3-4-2005]**

[Devices subject to this condition : D60, D151, D152, D153]

- B59.1 The operator shall not use the following material(s) in this device :

rubber, plastics, paper, rags, oil, grease, or similar smoke-producing material

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 401, 3-2-1984; RULE 401, 11-9-2001]**

[Devices subject to this condition : D14, D178, D179, D180, D181, D182, D183, D184, D185, D186, D187, D188]

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

B59.2 The operator shall only use the following material(s) in this device :

abrasive material which has been Air Resources Board (CARB) approved

**[RULE 1140, 2-1-1980; RULE 1140, 8-2-1985; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : D56]

B59.3 The operator shall not use the following material(s) in this device :

metal contaminated with rubber, plastics, paper, rags, oil, grease

fluorides, chlorine, aluminum chloride, or similar smoke-producing material

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 401, 3-2-1984; RULE 401, 11-9-2001]**

[Devices subject to this condition : D133]

B59.4 The operator shall not use the following material(s) in this device :

metal contaminated with rubber, plastics, paper, rags, oil, grease, or similar smoke-producing material

fluorides, chlorine, or aluminum chloride

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 401, 3-2-1984; RULE 401, 11-9-2001]**

[Devices subject to this condition : D81]

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

B59.5 The operator shall not use the following material(s) in this device :

metal contaminated with oil, grease, rubber, plastics, rags, or similar smoke-producing materials

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 401, 3-2-1984; RULE 401, 11-9-2001]**

[Devices subject to this condition : D151, D152, D153]

B59.7 The operator shall not use the following material(s) in this device :

coating materials containing any volatile organic compound (VOC)

coating material containing any carcinogenic air contaminants (except Hexavalent Chromium) as listed in AQMD Rule 1401 as amended December 7, 1990

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 12-7-1990; RULE 401, 3-2-1984; RULE 401, 11-9-2001]**

[Devices subject to this condition : D154]

### **C. Throughput or Operating Parameter Limits**

C1.1 The operator shall limit the loading rate to no more than 500 tons in any one month.

For the purpose of this condition, loading rate shall be defined as the load of lime charged to the silo.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D51]

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- C1.3 The operator shall limit the heat input to no more than 23000 MM Btu in any one year.

The purpose(s) of this condition is to ensure that this equipment qualifies as a process unit.

**[RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]**

[Devices subject to this condition : D14, D83]

- C1.5 The operator shall limit the material processed to no more than 3159 ton(s) in any 30-day period.

For the purpose of this condition, materials processed shall be defined as zinc melted in this equipment for the zinc coating operation in device D152.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D151]

- C1.6 The operator shall limit the operating time to no more than 199 hour(s) in any one year.

**[RULE 1110.2, 6-3-2005; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]**

[Devices subject to this condition : D9, D11, D200, D201, D228, D234]

- C1.8 The operator shall limit the operating time to no more than 50 hour(s) in any one year.

For the purpose of this condition, operating time shall be defined as maintenance and testing.

**[RULE 1110.2, 6-3-2005; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]**

[Devices subject to this condition : D200, D201, D228, D234]

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

C1.11 The operator shall limit the natural gas fuel usage to no more than  $2.3e+10$  Btu in any one year.

**[RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]**

[Devices subject to this condition : D153]

C1.12 The operator shall limit the throughput to no more than 40000 gallon(s) per day.

For the purpose of this condition, throughput shall be defined as HCl unloaded from railcars and loaded into the tanks.

This limit shall be based on the total combined limit for equipment D216, D217, D218 and D219.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D216, D217, D218, D219]

C1.13 The operator shall limit the throughput to no more than 600000 gallon(s) in any one calendar month.

For the purpose of this condition, throughput shall be defined as HCl unloaded from railcars and loaded into the tanks.

This limit shall be based on the total combined limit for equipment D216, D217, D218 and D219.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D216, D217, D218, D219]

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

C1.14 The operator shall limit the natural gas fuel usage to no more than 0.377 MM cubic feet per day.

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage of the fuel supply line.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(1)-Modeling, 5-10-1996; RULE 1303(b)(1)-Modeling, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 2005, 4-20-2001; RULE 2005, 5-6-2005]**

[Devices subject to this condition : D6]

C1.16 The operator shall limit the coating and solvent usage to no more than 1 in any one day.

For the purpose of this condition, material processed shall be defined as coating and solvent usage to coat 1 motor.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D220]

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

C1.21 The operator shall limit the loading rate to no more than 60 gallon(s) per minute.

For the purpose of this condition, loading rate shall be defined as gallons of HCl solution loaded into the storage tank.

HCl solution shall not exceed 37% HCl by weight.

To comply with this condition, the operator shall install and maintain a(n) measuring device to accurately indicate the flow rate of the HCl solution into the storage tank.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 204, 10-8-1993]**

[Devices subject to this condition : D216, D217, D218, D219]

C1.23 The operator shall limit the throughput to no more than 30000 gallon(s) per day.

For the purpose of this condition, throughput shall be defined as spent pickle liquor unloaded from the continuous pickle line process tanks and loaded into the HCl/SPL tanks.

This limit shall be based on the total combined limit for equipment D217, D218 and D219.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D217, D218, D219]



## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

C1.24 The operator shall limit the throughput to no more than 800000 gallon(s) in any one calendar month.

For the purpose of this condition, throughput shall be defined as spent pickle liquor unloaded from the continuous pickle line process tanks and loaded into the HCl/SPL tanks.

This limit shall be based on the total combined limit for equipment D217, D218 and D219.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D217, D218, D219]

C1.25 The operator shall limit the throughput to no more than 400 gallon(s) in any one calendar month.

For the purpose of this condition, throughput shall be defined as quantity of passivation solution (Oakite Okemcoat F-2 concentrate).

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1401, 12-7-1990; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D154]

C1.26 The operator shall limit the fuel usage to no more than 48.571428 MM cubic feet in any one calendar month.

This limit shall be based on the total combined limit for equipment devices, D81 and D82 (Preheat and Reducing Sections).

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D81, D82]

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- C1.27 The operator shall limit the natural gas fuel usage to no more than 425.01 MM cubic feet in any one calendar month.

This limit shall be based on the total combined limit for equipment D133 and D202.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 2005, 5-6-2005]**

[Devices subject to this condition : D133]

- C6.1 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 1.25 inches water column.

To comply with this condition, the operator shall install and maintain a(n) gauge to accurately indicate the differential pressure across the scrubber.

The operator shall record the parameter being monitored once every 1 days.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C155]

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- C6.3 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 6 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the SCR system bed.

The operator shall also install and maintain a device to continuously record the parameter being measured.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C148]

- C6.4 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 780 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature across the SCR system bed.

The operator shall also install and maintain a device to continuously record the parameter being measured.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C148]

- C6.5 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 1 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the HEPA prefilter.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C159]

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- C6.6 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 4 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the HEPA final stage filter.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C159]

- C6.8 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 3 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the Mist Eliminator Primary Mesh Pad.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the Mist Eliminator Final Stage Mesh Pad.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C158]

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- C6.10 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 8.5 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the scrubber.

The operator shall record the parameter being monitored once every 1 shift.

The measuring device or gauge shall be accurate to within 5%. It shall be calibrated once every 12 months.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 63 Subpart CCC, 4-20-2006]**

[Devices subject to this condition : C132]

- C8.1 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 95 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the scrubbing solution in the tower and the educator lines.

The operator shall record the parameter being monitored once every 1 days.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C49]

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- C8.4 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1400 Deg F.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The measuring device or gauge shall be accurate to within plus or minus 30 degrees fahrenheit. It shall be calibrated once every 12 months.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the combustion zone of the secondary chamber.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D24]

- C8.6 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 30 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the scrubbing solution in the recirculation line.

The operator shall record the parameter being monitored once every 1 days.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C115]

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- C8.7 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1200 Deg F.

The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 6 months.

To comply with this condition, the operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature of the combustion chamber.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C163]

- C8.8 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 10.5 of the pH scale.

To comply with this condition, the operator shall install and maintain a(n) pH meter to accurately indicate the pH of the circulating scrubbing solution.

The operator shall record the parameter being monitored once every 1 days.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C115]

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- C8.9 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 5.3 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the water wash supply line to the mist eliminator.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C158]

- C8.11 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 24 gpm.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the fresh make-up water supply line to the scrubber.

The operator shall record the parameter being monitored once every 1 days.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C155]



## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- C8.13 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 1.0 of the pH scale.

To comply with this condition, the operator shall install and maintain a(n) pH meter to accurately indicate the pH of the scrubbing solution in the recirculation line.

The operator shall record the parameter being monitored once every 1 shift.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 63 Subpart CCC, 4-20-2006]**

[Devices subject to this condition : C132]

- C12.1 The operator shall use this equipment in such a manner that the flow rate being monitored as indicated below are greater than or equal to the average value in the most recent District approved source test which demonstrated compliance with 40CFR63 Subpart CCC.

The operator shall install and maintain a continuous monitoring system to accurately indicate the flow rate of the:

1. fresh make-up water supply line to the scrubber
2. scrubbing solution in the recirculation line

The operator shall record the flow rates once every shift. The measuring device or gauge shall be accurate to within 5%. It shall be calibrated once every 12 months.. In addition, the operator shall keep records, in a manner approved by the District, to demonstrate compliance with this condition..

A copy of the most recent District approved source test and District letter confirming compliance shall be maintained with flow rate records.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C132]

### **D. Monitoring/Testing Requirements**

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- D12.1 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the bags.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C57, C59]

- D12.2 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

**[RULE 1110.2, 6-3-2005; RULE 1304(e), 6-14-1996; RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]**

[Devices subject to this condition : D9, D11, D200, D201, D228, D234]

- D12.3 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the flow rate in the fuel supply line.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D80]

- D12.4 The operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage of the equipment.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]**

[Devices subject to this condition : D14, D82, D83]

- D12.5 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage of the equipment.

**[RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]**

[Devices subject to this condition : D140, D141]

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

D12.6 The operator shall install and maintain a(n) gauge to accurately indicate the temperature of the dryer.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : D156]

D12.7 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the flow rate in the fuel supply line.

The fuel meter shall be common to both D133 and D202.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D133]

D28.6 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to demonstrate compliance with 40 CFR 63 Subpart CCC.

The test shall be conducted to determine the Hydrochloric Acid at the inlet and outlet simultaneously.

The test shall be conducted when all equipment being vented by this scrubber is fully operational and operating at maximum load, during loading of an HCl Storage Tank (D217, D218, or D219).

The test shall be conducted within 60 after achieving maximum production rate, but no later than 180 after initial start-up.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted at least once every 2-1/2 years.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 63 Subpart CCC, 4-20-2006]**

[Devices subject to this condition : C132]

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

D28.7 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to demonstrate compliance with Rule 2012(j)(2) using the "Conditionally Acceptable" Protocol (Ref. no. P00001) dated January 25, 2000.

**[RULE 2012, 1-7-2005]**

[Devices subject to this condition : D82]

D82.1 The operator shall install and maintain a CEMS to measure the following parameters:

NOX concentration in ppmv

The CEMS shall be installed prior to start-up. The operator shall certify the CEMS within 180 days after start-up. During this 180 day period the operator shall comply with the monitoring and reporting requirements of Rule 2012(h)

**[RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]**

[Devices subject to this condition : D81, D133]

D82.2 The operator shall install and maintain a CEMS to measure the following parameters:

NOX concentration in ppmv

**[RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]**

[Devices subject to this condition : D145]

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

D90.1 The operator shall monitor the pH of the scrubber's recirculation water flow according to the following specifications:

An audible alarm shall be installed to alert the operator if the pH of the scrubbing solution falls below 1.0.

The operator shall take corrective measures if the pH of the scrubbing solution falls below 1.0 for more than 15 minutes.

(1) Take Draeger tube samples (weather permitting) of the scrubber's exhaust gas within 8 hours during day shift Monday-Friday and within 24 hours all other shifts and on weekends, to insure that the HCl in the exhaust does not exceed 18 ppm

(2) Inspect the CPL process tanks and HCl storage tanks within 24 hours to verify that they are working properly.

(3) Increase the Bleed Water rate to maximum.

Once the pH is 1.0 or greater, the scrubber's operating conditions may be restored to the original rates.

The operator shall keep records, in a manner approved by the District, of all corrective measures taken.

**[RULE 204, 10-8-1993]**

[Devices subject to this condition : C132]

D111.1 The operator shall comply with the tune-up requirements of Rule 1146. Records shall be maintained for the date of each tune-up, the company performing the tune-up, and the tune-up results for NOX, CO and O2.

**[RULE 1146, 11-17-2000; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]**

[Devices subject to this condition : D140, D141]

D135.1 The operator shall inspect, adjust, and certify the ignition or fuel injection timing of this engine a minimum of once every 3 years of operation. Inspections, adjustments, and certifications shall be performed by a qualified mechanic and performed in accordance with the engine manufacturer's specifications and procedures.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]**

[Devices subject to this condition : D11, D228, D234]

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

D322.1 The operator shall perform a monthly inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : E137, C158, C159]

D322.3 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D51, C57, C59]

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

#### **[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D12, D13, D14, D24, D53, D55, D56, D84, D133, D151, D152, D153, D156, C163, D178, D179, D180, D181, D182, D183, D184, D185, D186, D187, D188]

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- D328.1 The operator shall determine compliance with the CO emission limit(s) either: (a) conducting a source test at least once every five years using AQMD Method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and AQMD-approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 1146. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

**[RULE 1146, 11-17-2000; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982]**

[Devices subject to this condition : D6, D7, D140, D141]

- D330.1 The operator shall have a person that has been trained in accordance with Rule 461(d)(5) conduct a semi-annual inspection of the gasoline transfer and dispensing equipment. The first inspection shall be in accordance with Rule 461, Attachment B, the second inspection shall be in accordance with Rule 461, Attachment C, and the subsequent inspections shall alternate protocols. The operator shall keep records of the inspection and the repairs in accordance to Rule 461 and Section K of this Permit.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D161]

- D332.1 The operator shall determine compliance with the CO emission limit(s) by conducting a test at least every five years using a portable analyzer and AQMD-approved test method or, if not available, a non-AQMD approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 1146.1 concentration limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D80]



## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

D381.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D51, C59, E137]

### **E. Equipment Operation/Construction Requirements**

E17.1 The operator shall not fill more than 2 of the following items simultaneously:

Device ID: D216 [HCl Tank]

Device ID: D217 [HCl Tank]

Device ID: D218 [HCl Tank]

Device ID: D219 [HCl Tank]

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D216, D217, D218, D219]

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

E51.1 The following condition number(s) shall not apply if all of the requirements stated below are met:

Condition number 8-4

Requirement number 1: the secondary chamber shall achieve and maintain a minimum temperature of 1400 deg F within 15 minutes of ignition of the primary chamber

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : D24]

E71.1 The operator shall not conduct refining or fluxing in this equipment during steel milling process.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : D81]

E71.3 The operator shall not operate this equipment if the lead content of zinc melted exceeds 0.3 percent for High Grade zinc or 1.4 percent for Prime Western zinc.

**[RULE 1420, 9-11-1992]**

[Devices subject to this condition : D151]

E71.4 The operator shall not operate this equipment if the temperature in the combustion chamber exceeds 700 degrees Fahrenheit.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D156]

E71.5 The operator shall not use this equipment if the circulating scrubbing solution falls below a pH of 7.0.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C49]

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- E71.6 The operator shall only operate this equipment if the sum of the differential pressures across the Mist Eliminator and the HEPA filter does not exceed 5.2 inches water column.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C158, C159]

- E71.9 The operator shall only operate this equipment if the zinc coating material is processed in device D151.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D152]

- E71.15 The operator shall only operate this equipment during emergencies resulting in an interruption of service of the primary power supply, during a stage II or III electrical emergency declared by the California Independent System Operator or for maintenance and testing.

**[RULE 1304(c)-Offset Exemption, 6-14-1996]**

[Devices subject to this condition : D200, D201, D234]

- E71.17 The operator shall only operate this equipment if the 2-inch sparger is installed and fully operational.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : D211]

- E71.18 The operator shall only operate this equipment if the acid fume scrubber (C132) is fully operational.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D212, D213, D214, D215, D216, D217, D218, D219]

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

E71.20 The operator shall not operate this equipment if the percent by weight of Chromium VI or Chromium III compounds in the passivation solution (Oakite Okemcoat concentrate) used exceeds 10 percent.

[RULE 1401, 12-7-1990]

[Devices subject to this condition : D154]

E102.1 The operator shall discharge dust collected in this equipment only into closed containers.

[**RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C57, C59, E137]

E114.1 The operator shall not use this equipment in conjunction with any utility voluntary demand reduction program.

[**RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D9, D11, D200, D201, D228, D234]

E118.1 The operator shall ensure that all openings to the atmosphere on the tank and on the tank truck shall be closed during a gasoline transfer to the storage tank.

[**RULE 461, 1-9-2004**; **RULE 461, 6-3-2005**; RULE 461, Hasstech Conditions, 1-9-2004]

[Devices subject to this condition : D161]

E147.1 The operator shall not conduct fluxing or refining in this equipment.

[**RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 401, 3-2-1984**; RULE 401, 11-9-2001]

[Devices subject to this condition : D133, D151, D152, D153]

E147.2 The operator shall not conduct metal melting operation in this equipment.

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D178, D179, D180, D181, D182, D183, D184, D185, D186, D187, D188]

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

E147.3 The operator shall not conduct refining and/or fluxing operation in this equipment.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D178, D179, D180, D181, D182, D183, D184, D185, D186, D187, D188]

E158.1 The operator shall maintain a continuous overflow of water from the scrubber sump to prevent build up of contamination.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C132]

E175.1 The operator shall not use this equipment unless all exhaust air passes through the following:

filter media at least 2 inches thick

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : D220]

E448.1 The operator shall comply with the following requirements:

The HCl concentration discharged from the scrubber's outlet shall not exceed 18 ppmv; OR

the collection efficiency across the scrubber is at least 97 percent.

**[40CFR 63 Subpart CCC, 4-20-2006]**

[Devices subject to this condition : C132]

### **H. Applicable Rules**

## FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
ROG	District Rule	109

**[RULE 109, 5-2-2003]**

[Devices subject to this condition : D60, D220]

H23.2 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122

**[RULE 1122, 7-11-1997; RULE 1122, 10-1-2004]**

[Devices subject to this condition : E135]

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
ROG	District Rule	463

**[RULE 463, 3-11-1994; RULE 463, 5-6-2005]**

[Devices subject to this condition : D66]

## FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Refrigerants	District Rule	1415
Refrigerants	40CFR82, SUBPART	F

[RULE 1415, 10-14-1994; **40CFR 82 Subpart F, 5-14-1993**]

[Devices subject to this condition : E157]

### **J. Rule 461**

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

J373.1 The operator shall comply with the following gasoline transfer and dispensing requirements:

a). At least once every twelve months from the previous test, a static pressure leak decay test shall be conducted to demonstrate that the storage tanks, the remote and/or nozzle vapor recovery check valves, associated vapor return piping and fittings are free from vapor leaks. The test shall be conducted in accordance with CARB Test Procedure Method TP-201.3. Results shall be submitted to the AQMD, Engineering and Compliance, within thirty (30) days of the test.

The AQMD shall be notified by e-mail at R461testing@aqmd.gov or by facsimile at telephone number (909) 396-3606 at least seventy-two (72) hours prior to testing. Such notification shall include the name of the owner or operator; the name of the contractors; the location of the facility; and the scheduled start and completion dates of the static pressure leak decay test.

b). At least once every twelve months from the previous test, an air-to-liquid ratio test shall be conducted to demonstrate proper installation of the Hasstech VCP3A Vapor Vac System. The test shall be conducted in accordance with CARB Test Procedure Method TP-201.5. Results shall be submitted to the AQMD, Engineering and Compliance, within thirty (30) days of the test.

The AQMD shall be notified by e-mail at r461testing@aqmd.gov or by facsimile at telephone number (909) 396-3606 at least seventy-two (72) hours prior to testing. Such notification shall include the name of the owner or operator; the name of the contractors; the location of the facility; and the scheduled start and completion dates of the air-to-liquid ratio test.

The testing frequency for the above mentioned tests shall be conducted in accordance with the most recent AQMD Rule 461 amendment or CARB Executive Order requirements, whichever is more stringent.

**[RULE 461, 1-9-2004; RULE 461, 6-3-2005; RULE 461, Hasstech Conditions, 1-9-2004]**

[Devices subject to this condition : D161]

### **K. Record Keeping/Reporting**



## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

K40.1 The operator shall provide to the District a source test report in accordance with the following specifications:

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : C132]

K48.1 The operator shall maintain records in a manner approved by the District, to demonstrate compliance with the following condition number(s):

Condition Number A 63- 3

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D80]

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

the name of the person performing the inspection and/or maintenance of the filter media

the date, time and results of the inspection

the date, time and description of any maintenance or repairs resulting from the inspection

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C57, C59]

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

K67.4 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

the name of the person performing the inspection and/or maintenance of the filter media

the date, time and results of the inspection

the date, time and description of any maintenance or repairs resulting from the inspection

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D51, E137]

K67.5 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

amount of zinc processed in this equipment

lead content of zinc melted and grade of zinc melted in this equipment

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1420, 9-11-1992]**

[Devices subject to this condition : D151]

K67.8 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

daily recording of ammonia flow

daily recording of ammonia/NOx ratio

**[RULE 2012, 12-5-2003; RULE 2012, 1-7-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C148]

## **FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

K67.10 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

the name of the person performing the inspection and/or maintenance of the filter media

the date, time, and results of the inspection

the date, time, and description of any maintenance or repairs resulting from inspection

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C158, C159]

K67.12 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

All records and test results that are required to be maintained by Rule 461 shall be kept on site and made available to AQMD representative upon request.

**[RULE 461, 1-9-2004; RULE 461, 6-3-2005; RULE 461, Hasstech Conditions, 1-9-2004]**

[Devices subject to this condition : D161]

K67.13 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Percent weight of Chromium Phosphate (as Chromium III compounds) and Chromium Trioxide (as Chromium VI soluble) and any other Chromium compound.

**[RULE 461, 1-9-2004; RULE 461, 6-3-2005; RULE 461, Hasstech Conditions, 1-9-2004]**

[Devices subject to this condition : D154]